

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Emil ZELLWEGER, et al.

Appln. No.: 10/554,916

Group Art Unit: 2821

Confirmation No.: 9776

Examiner: Robert KARACSONY

Filed: October 31, 2005

For: **ELECTRIC CONNECTION FOR AN ELECTRONIC MODULE IN A WRISTWORN
ELECTRONIC DEVICE**

REQUEST FOR REFUND

MAIL STOP 16

Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant hereby respectfully requests a refund in the amount of \$740.00. This refund is to be credited to Deposit Account No. 19-4880.

On October 31, 2005, the undersigned filed a Preliminary Amendment whereby original claims 1-11 were canceled and new claims 12-22 were added. The purpose of this Preliminary Amendment was to eliminate all multiple dependent claims and to eliminate the need for a multiple dependent claim fee. However, the undersigned attorney's Deposit Account No. 19-4880 was charged \$360.00 for a multiple dependent claim fee and \$200.00 for 4 excess claims. The undersigned attaches a copy of the Preliminary Amendment, together with a copy of the undersigned attorney's filing receipt showing that the Preliminary Amendment was, in fact, filed on October 31, 2005.

REQUEST FOR REFUND
U.S. APPLN. NO. 10/554,916

Also, on October 31, 2005, the undersigned attorney filed an Information Disclosure Statement, together with a Form PTO/SB/08 A & B listing all references cited in the International Search Report. However, the Examiner's Office Action dated February 12, 2007 indicated that the IDS "fails to comply with 37 CFR 1.97(a)(1), which requires the following: (1) a list of all patents, publications, applications, or other information...Examiner requests that applicant submits a completed form "1449" complying with the requirements listed above." The undersigned attorney submitted a duplicate of the Form PTO/SB/08, together with a copy of the undersigned attorney's filing receipt showing the document was received in the USPTO on October 31, 2005.

The relevant pages of the undersigned attorney's Deposit Account No. 19-4800 showing these charges are also attached.

Therefore, it is respectfully requested that the undersigned attorney's Deposit Account be refunded the amount of \$360.00 for the multiple dependent claim fee, \$200.00 for the excess claim fee and \$180.00 for the Information Disclosure Statement fee for a total refund in the amount of \$740.00.

Respectfully submitted,

/John H. Mion/
John H. Mion
Registration No. 18,879

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Date: April 25, 2008

REQUEST OF EARLY NOTIFICATION OF SERIAL NUMBER

Inventor(s): Emil ZELLWEGER, Jean-Daniel ETIENNE, Yvan FERRI

Title: ELECTRIC CONNECTION FOR AN ELECTRONIC MODULE IN A WRISTWORN ELECTRONIC DEVICE

Atty Doc. #: Q90959 Client: ICB (PCT/EP 2004/051108)

Filing Date: October 31, 2005 # Pgs. Spec/Abst: 11/1 #Claims: 11

Dwg. Sheets: 4 (Figs. 1-5) Decl: YES Prelim Amdt: YES

IDS/Prior Art: YES w/International Search Report Form PTO/SB/08 A & B
and copies of cited publication "GPS Watch - An Analogue Watching... GPS
Receiver" Pr Doc: by WIPO Asgmt: YES Fee: \$800/\$40

☒ Check Attached ☐ Charge to Deposit # 19-4880 Atty/Sec: JHM/slm

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AN AMOUNT SUFFICIENT TO COVER ALL SERVICES REQUESTED MUST ALWAYS BE ON DEPOSIT	OPENING BALANCE	TOTAL CHARGES	TOTAL CREDITS	CLOSING BALANCE
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AN AMOUNT SUFFICIENT TO COVER ALL SERVICES REQUESTED MUST ALWAYS BE ON DEPOSIT			OPENING BALANCE	TOTAL CHARGES	TOTAL CREDITS	CLOSING BALANCE

PATENT APPLICATION
Q-90959

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Emil ZELLWEGER et al

PCT/EP2004/051108

Filed: June 14, 2004

Appln. No. NOT YET KNOWN

Confirmation No.: NOT YET KNOWN

Filed: October 31, 2005

For: ELECTRIC CONNECTION FOR AN ELECTRONIC MODULE IN A WRISTWORN
ELECTRONIC DEVICE

PRELIMINARY AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Preliminary to examination of the above-identified Application, please make the
following amendments:

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 11. (canceled).

12. (new): A wristwatch including a case at least one part of which is electrically conductive and in which are housed an electronic module including a printed circuit board and an electric power source for powering said electronic module, said wristwatch further including an antenna provided with a ground plane, said printed circuit board having, at its periphery, a mechanical contact zone with said electrically conductive part of the case,

wherein the antenna and the ground plane are arranged on the top face of said printed circuit board, said top face being arranged on the side of a display device of the wristwatch, and wherein said printed circuit board includes a conductive path extending at the periphery of said printed circuit board, over said mechanical contact zone, and establishing an electric contact, on the one hand, with said electrically conductive part of the case and, on the other hand, with said ground plane so as to enlarge the ground plane of said antenna in directions extending substantially in the extension of said ground plane, the enlargement being located substantially in the plane containing the ground plane of the antenna.

13. (new): The wristwatch according to claim 12, wherein said antenna is a micro-strip antenna including a radiating element arranged substantially parallel to said ground plane.

14. (new): The wristwatch according to claims 12, wherein it includes an electrically conductive strip made of compressible material that is inserted, on said mechanical contact zone, between said electrically conductive part of the case and said conductive path.

15. (new): The wristwatch according to claim 14, wherein said electrically conductive strip is compressed between said conductive path and a shoulder arranged on the electrically conductive part of the case.

16. (new): The wristwatch according to claim 15, wherein it further includes a support element exerting a pressure at several points of the periphery of said printed circuit board where said electrically conductive strip is compressed.

17. (new): The wristwatch according to claim 14, wherein said electrically conductive strip is a conductive elastomer.

18. (new): The wristwatch according to claim 12, wherein said conductive path is arranged on a first face of the printed circuit board and is electrically connected to other conductive paths of the electronic module via metallised holes.

19. (new): The wristwatch according to claim 12, wherein said electrically conductive part of the case is electrically connected to a pole of determined electric potential of the electric power source, said electrically conductive part of the case being used to bring said determined electric potential to said electronic module via said conductive path.

20. (new): The wristwatch according to claim 12, wherein said electrically conductive part of the case is brought to a determined electric potential via said conductive path.

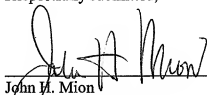
21. (new): The wristwatch according to claim 12, wherein said conductive path extends over substantially the entire periphery of the printed circuit board.

22. (new): The wristwatch according to claim 12, wherein said conductive path extends over at least a part of the periphery of the printed circuit board located in proximity to said ground plane.

REMARKS

The above amendments have been made to eliminate all multiple dependent claims, thereby both ensuring examination of all claims on the merits in the first Office Action and eliminating the need for a multiple dependent claim fee.

Respectfully submitted,



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